

**JOHN DEERE**

*Models "L" and "LA"*

**GENERAL-PURPOSE**

**TRACTORS**



*with the FINEST and MOST COMPLETE LINE*  
*WORKING EQUIPMENT in the SMALL TRACTOR*

*"Guess I Was  
30 YEARS*



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# Born TOO SOON, Jimmie!"

**M**ANY an old-timer has made a remark like this as he has watched the owner of a John Deere Model "L" or "LA" Tractor cleaning up a job that formerly took nearly twice as long to do.

His thoughts go back to the endless days of tedious work with teams and the inevitable horse chores there were to perform at the end of the day. He thinks of times of emergency, like the present, when a serious shortage of farm labor skyrocketed the cost of hired help, if the help was available at all. He thinks of the endless costs for feed, harness, and veterinary services—sore shoulders, the heat, and the flies, and how these farming "saboteurs" slowed up and sometimes stopped the work animals just when they were needed the most.

Yes, the picture of the modern, tractor-powered farm is a *changed* picture—a changed picture not only for Dad, but for everybody on the farm. Life is too short to go on farming the old way when it costs so little to own a complete, quality-built John Deere power-farming outfit—tractor and equipment.

That's why farm families all over the country are deciding:

We've been *wanting* a tractor . . .

Now, we can *afford* a tractor . . .

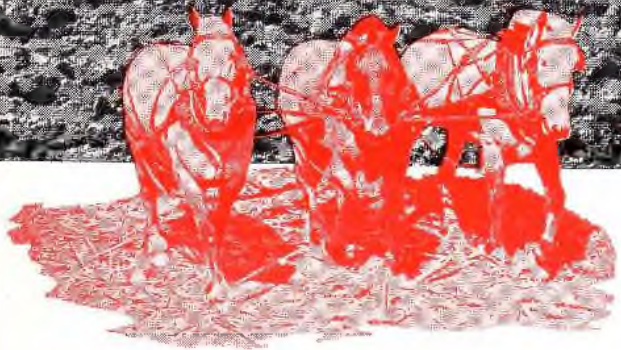
We're going to *get* a tractor . . .



# JOHN DEERE *Models*

COMPLETE POWER ON SMALL FARMS

"LA"

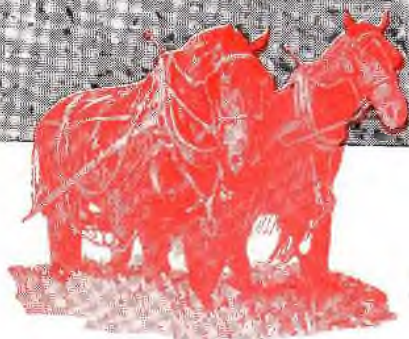


**The Model "LA"** . . . Latest addition to the John Deere Line of 2-cylinder tractors . . . powered to pull all loads ordinarily handled with 3-horse team, such as one 16-inch plow or 5-foot double-action disk harrow . . . provides daily work capacity of 4 horses, because of its faster speeds and steadier work . . . available with electric starting and lights, belt pulley, and power take-off. Shown above with rear wheel weights.

# "L" and "LA" Tractors

... IDEAL HELPERS ON LARGE FARMS

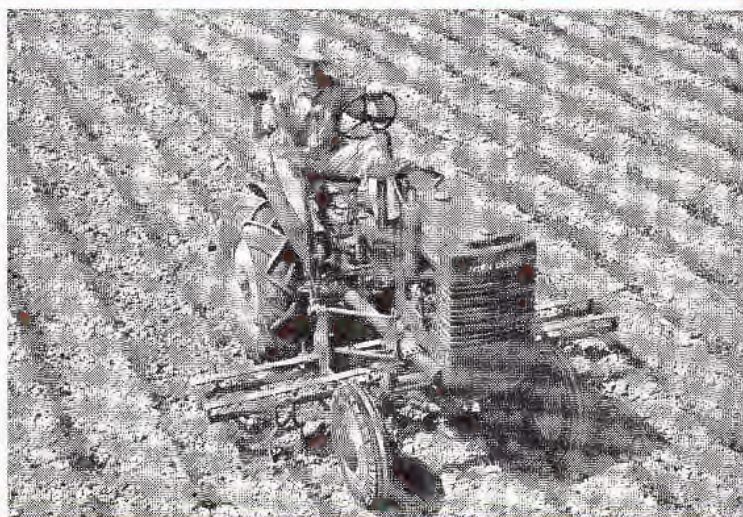
"L"



**The Model "L"** . . . Similar in design and appearance to the Model "LA" but scaled down in weight, size, and power to pull all loads ordinarily handled with a 2-horse team, such as one 12-inch plow or 6-foot single-action disk harrow . . . daily work capacity of 3 horses . . . available with electric starting and lights and belt pulley. Between this tractor and the Model "LA", you can choose the power size that exactly fits your needs.

(5)

# THESE ECONOMICAL, EASY-HA ARE *Proved*



## FOR THE SMALL GENERAL FARM . . .

Plenty of power for plowing and all-around row-crop work . . . adaptable to all row spacings . . . completely replace horses or mules . . . all work is speeded up . . . costs go down immediately. On most jobs, tractor burns less than a gallon of fuel per hour.

## FOR VEGETABLE GROWERS, NURSERIES, ETC. . . .

Eliminates costly hand planting and cultivating . . . deep plowing for deep, mellow seed-beds . . . works close to fences . . . adjustable for various row spacings . . . three forward speeds. Shown above with multi-row vegetable cultivator.



## FOR OPERATORS OF LARGE FARMS . . .

These tractors are ideal "helpers" on the large farms. Owners of large-size tractors are replacing that "stand-by" team with a Model "L" or "LA" Tractor for handling miscellaneous jobs, finishing up, spreading manure, and all types of hauling.

## FOR ROAD MOWING . . .

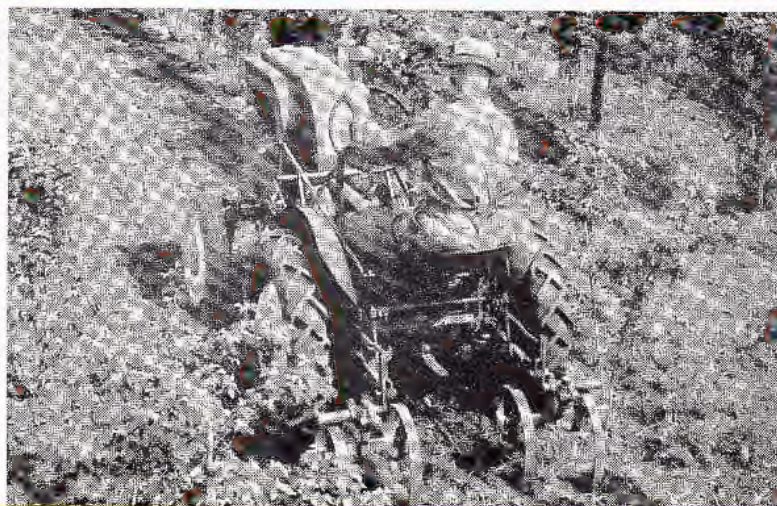
Team up with the John Deere No. 7 Integral Mower, these tractors are the most practical outfits on the market for keeping down weeds and grass along country roads. Easy to handle . . . sure-footed on steep upgrades and downgrades . . . easy to watch the work.

**DLING TRACTORS**

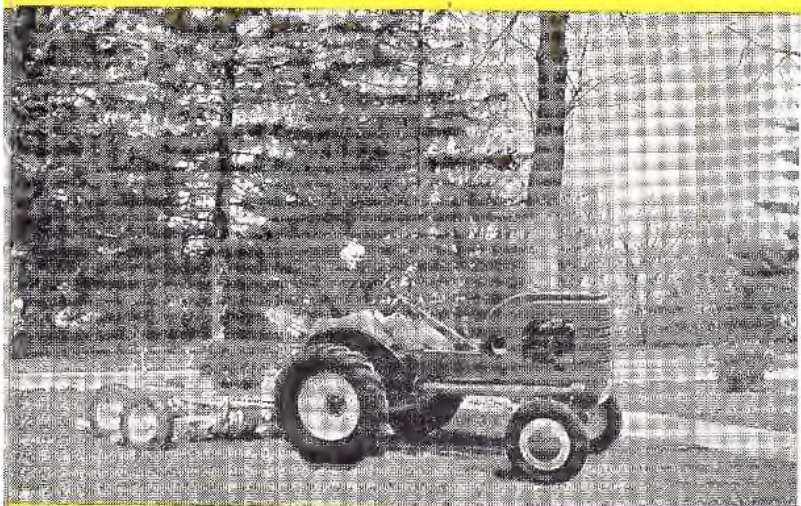
# *Cost-Reducers*



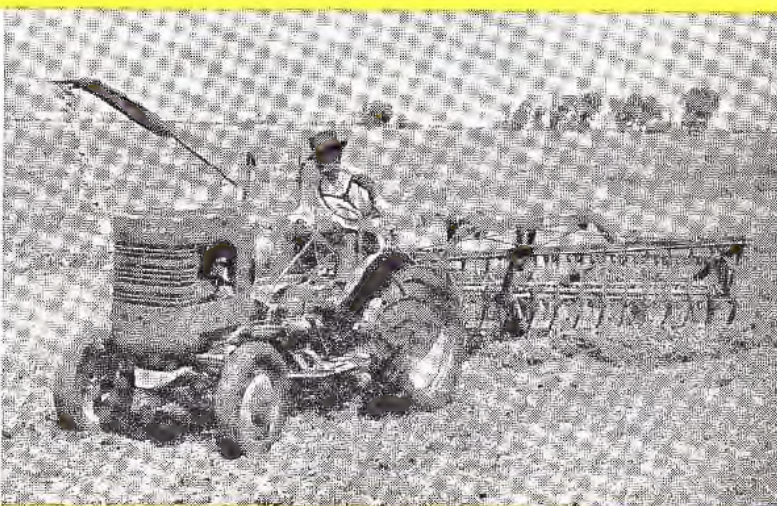
**FOR MISCELLANEOUS JOBS . . .** There's no end to the uses for these versatile tractors. "Snaking-out" logs is typical of the hundred and one moving, pulling, hauling, and other miscellaneous jobs these tractors are handling. Belt pulley is available for handling all belt jobs.



**FOR GROWERS OF ORCHARD CROPS, GRAPES, BERRIES, HOPS, ETC. . . .** Adjustable wheel spacing . . . narrow, compact design . . . light weight . . . easy to handle . . . perfectly adapted to all types of work between rows and close work in orchards, including pulling a sprayer.

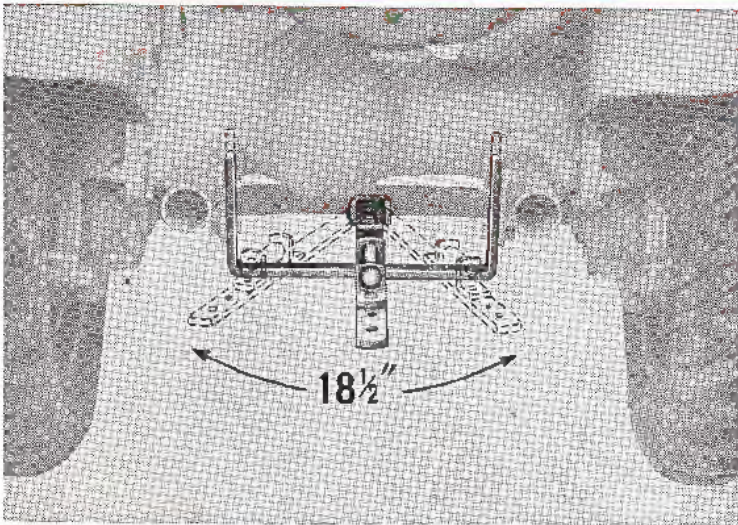


**FOR ESTATES, PUBLIC PARKS, CEMETERIES, GOLF COURSES, ETC. . . .** Wherever grass must be mowed and weeds cut regularly, these rubber-tired tractors do a fast, clean job at low cost. If desired, the 5-foot sickle-bar mower can be left on tractor while pulling lawnmower.

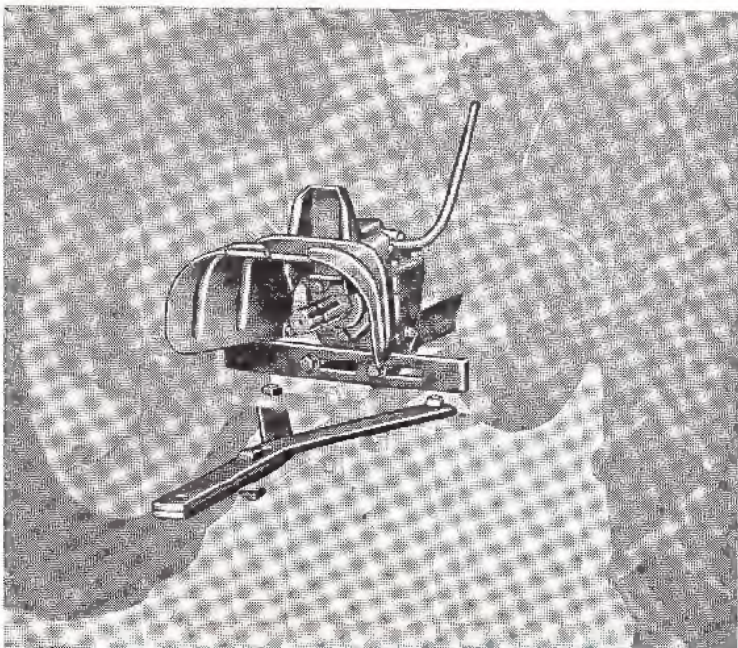


**FOR HAY GROWERS . . .** In the hayfield, you couldn't ask for a handier tractor than the Model "L" or "LA". Mowing, raking, and loading are handled at top speeds, at rock-bottom costs. Mower can be left on tractor while raking, if desired. Integral sweep rake available in 10-foot size.

# Adaptable TO ALL-AROUND FARM WORK Completely Replaces Horses



**ADJUSTABLE DRAWBAR . . .** The drawbar on these tractors has a wide swing to right or left, and may be left free to swing or held in position with two bolts. Up-and-down adjustments provide heights of 12, 14, and 16 inches. Regular equipment.



**POWER TAKE-OFF (Model "LA" Only) . . .** The Model "LA" Tractor can be furnished with power take-off (extra equipment) as shown above. The power take-off is driven by 3 V-belts from the propeller shaft and is controlled by a gear shift lever. Spline is 1-3/8-inch diameter; speed, 540 R. P. M.

THROUGHOUT America, the John Deere Models "L" and "LA" Tractors have conclusively proved their complete superiority over animal power by lowering production costs and increasing profits. By eliminating horse chores, much of the hard, disagreeable part of farming is removed. All jobs are handled at speeds impossible with horses or mules . . . much more work can be turned out in a given time.

## Handles Many Row Widths

A glance at the following table gives a quick picture of the wide adaptability of these tractors to different row spacings:

Single-Row . . . . .	30" to 60" inclusive.
Two-Row . . . . .	16" to 24" inclusive.
Three-Row . . . . .	14".
Four-Row . . . . .	16" to 20" inclusive.
Five-Row . . . . .	14".

*Note:* Rows spaced 22 to 24 inches, inclusive, may be planted four rows at a time and cultivated two rows at a time. Uneven row spacings may be used also. For example: Five rows measuring 16"-10"-10"-16"-10" give an average row width of only 12.4 inches and yet provide a 16-inch space for the tractor wheels.

The rear wheel settings match the front wheel tread. Special adjustable front axle is available for securing special front wheel treads, if desired.

## Adaptable to Every Row Crop

The wide adaptability of the Models "L" and "LA" Tractors . . . the ease with which they can be changed for different row spacings . . . the ample clearance under the tractor for tall-growing or wide-growing crops . . . their complete line of integral and drawn working equipment . . . makes them *general-purpose* tractors in every sense of the term. Wherever you go—from the truck gardens and orchards of Florida to the hopyards and gladiolus farms of the Pacific Northwest; from the groves, gardens, and hayfields of California to the specialized farms of New England—you will find these willing, untiring tractors doing all-around, year-around duty, at costs unbelievably low.

Both the Models "L" and "LA" can be equipped with electric lights to provide good illumination for night work.

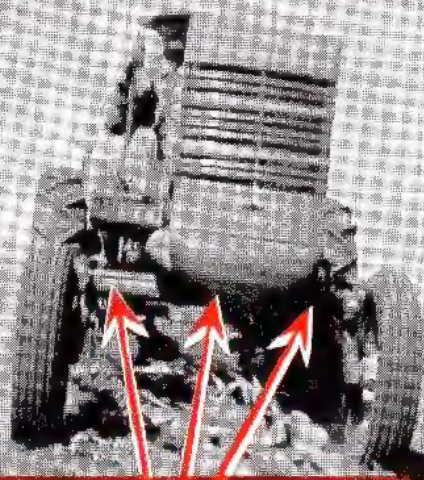
## REAR WHEELS ADJUSTABLE

*to Fit the Job*



36" MINIMUM ON "L"  
38" MINIMUM ON "LA"  
54" MAXIMUM ON BOTH "L" AND "LA"

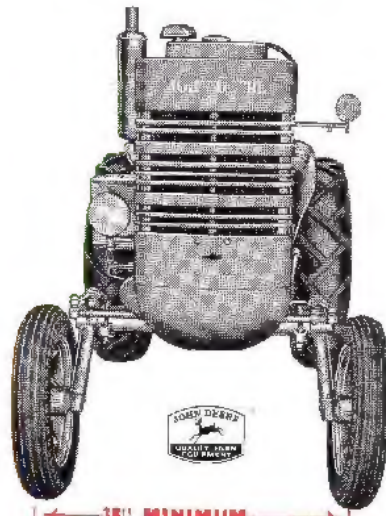
No matter what crops you grow—wide-spaced rows or narrow-spaced rows—you can get just the right rear wheel tread you need to work them properly. Actual settings for the Model "L" are 36", 42", 48", and 54". Settings for the Model "LA" are 38", 43", 48", and 54".



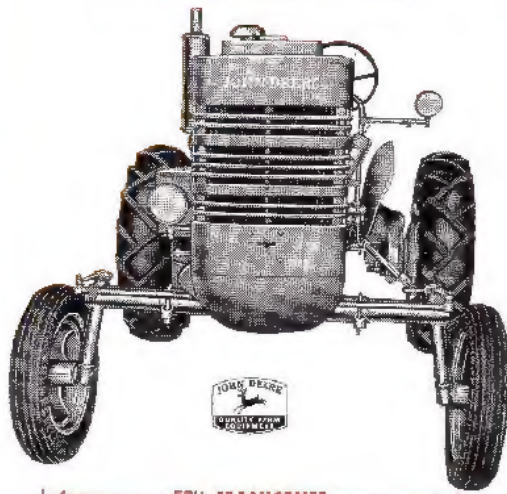
**FULL CLEARANCE** CLEAR ACROSS  
FRONT AXLE

## ADJUSTABLE FRONT AXLE—

*Special Equipment for "L"  
and "LA" Tractors*



38" MINIMUM



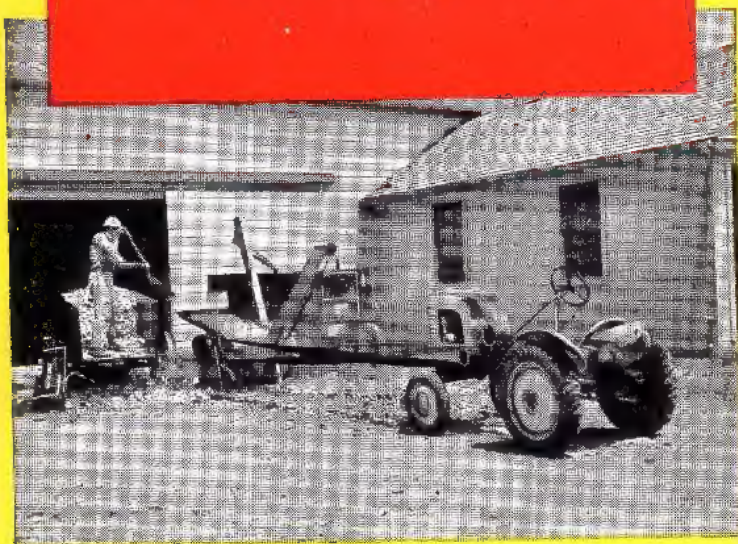
52" MAXIMUM

Certain conditions such as bedded land, irrigated land, hilled potatoes, bedded radishes, and windrowed peas call for a variation in the tread of the front wheels as well as the rear. John Deere meets this need with the special adjustable front axle, shown above. Five different treads can be obtained: 38", 40", 43-1/2", 48", and 52". This axle is furnished instead of the regular axle on new tractors, or it can be furnished as an extra for installation on tractors in use.

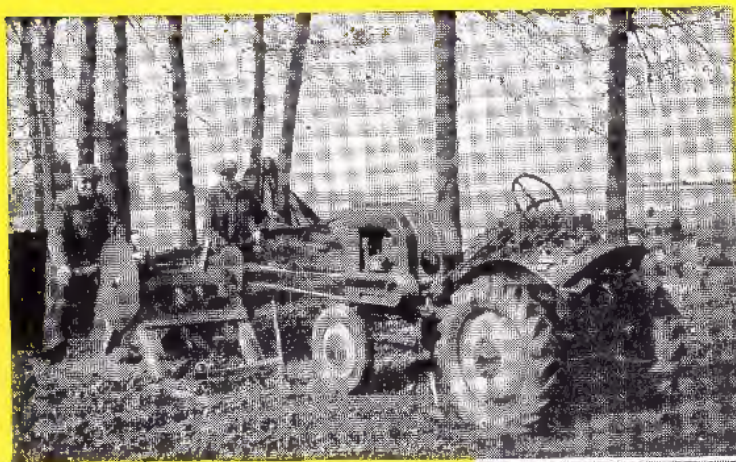
Where curved front axles provide full clearance only under the center of the tractor, the John Deere straight front axle provides full clearance ACROSS THE ENTIRE WIDTH OF THE TRACTOR.

# Smooth Power

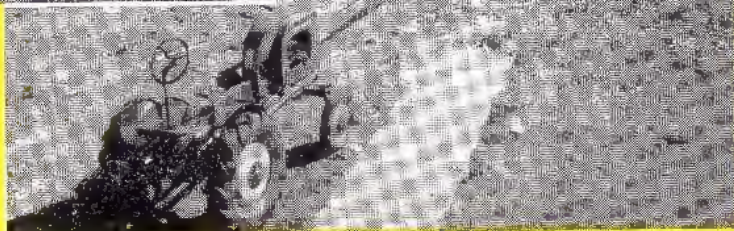
## FOR BELT JOBS



Model "L" Tractor operating John Deere No. 4-A Corn Sheller.



Above: Fast, low-cost work with a power wood saw. The belt pulley, available as an extra, makes the Models "L" and "LA" true year-around tractors.



Left: Driven by the steady power of the Model "L", a Letz No. 140 Feed Mill delivers a ton or more of hay, fodder, or snapped corn every hour.

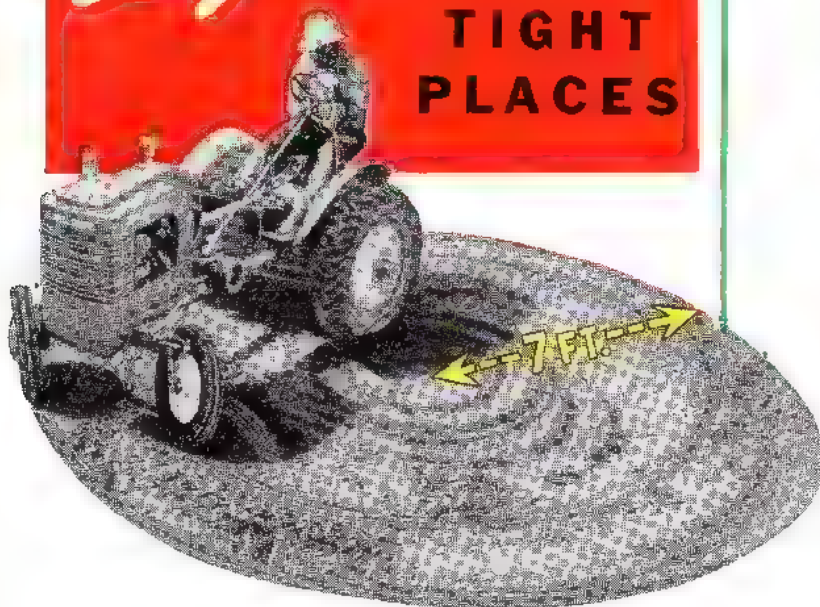
WHEN equipped with belt pulley, the John Deere Models "L" and "LA" Tractors provide smooth power for all types of belt jobs. Sawing wood, shelling corn, baling hay, and preparing stock feed are some of the odd-time jobs these tractors will do for you at low cost. Many John Deere owners make extra money doing spare-time belt work for neighbors.

The Model "L" will operate a small hay baler, such as the John Deere No. 14, a small corn sheller, such as the John Deere No. 4-A, a small feed grinder, such as the Letz No. 140, and all types of power-driven wood saws. The Model "LA" with its greater power output will operate larger-size machines in proportion.

The operating cost of these tractors is so low you can afford to use your John Deere in running the grain elevator, pumping water, and similar belt jobs.

When the tractor is being used on belt jobs, it is only necessary to lock one rear wheel brake to hold the tractor into the belt. It is not necessary to block the rear wheels, as is customary with tractors not equipped with independent rear wheel brakes.

## Easy to Handle IN TIGHT PLACES



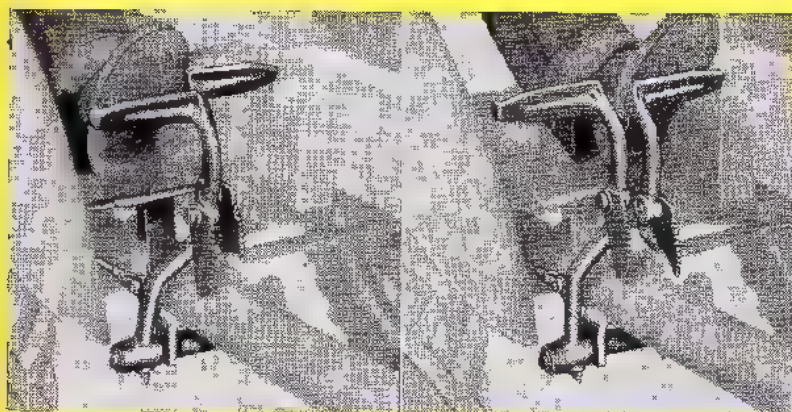
**T**HAT ability of the John Deere to turn short in plowing, planting, and cultivating is a time-saving feature that really speeds up the work. Headlands are narrower—more of the field is utilized for crops. Only the short wheelbase and the John Deere independent rear wheel foot brakes could make such short turning possible.

## URNS IN 7-FOOT RADIUS

**T**HERE'S nothing like the quick steering response of the John Deere in your past tractor experience. It has standard gear shift and foot clutch—any boy who can drive an automobile can operate it. All controls are within easy reach of the driver. On rough ground—over bumps and into hollows—the John Deere travels with flexibility and ease because the front wheels are free to oscillate. On steep slopes it operates with stability and safety. In soft going, the light weight and even distribution of weight of the John Deere help to keep it on top where heavier, less agile tractors would tend to sink down.

Because of their narrow over-all width, these tractors have the unusual feature of being able to work between rows. In cultivating such crops as asparagus or berries, and in vineyards where the rows are planted even as close as 5 feet apart, the entire tractor and cultivator can pass between the rows.

## INDIVIDUAL FOOT BRAKES CONTROL EACH REAR WHEEL



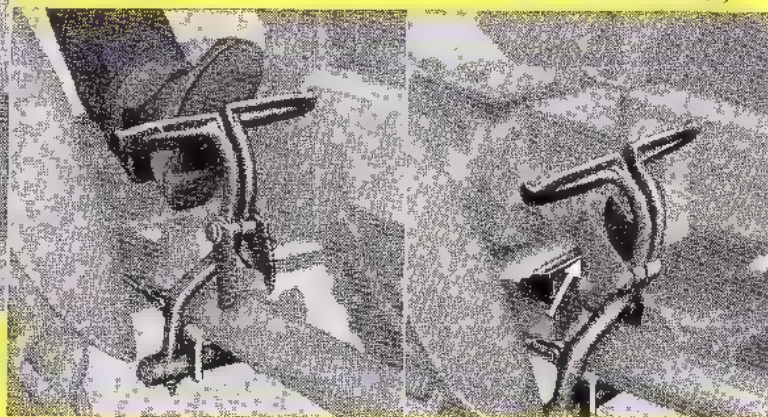
**RIGHT WHEEL . . .**  
Press the right brake pedal to lock the right rear wheel for short turns to right.

**LEFT WHEEL . . .** Press the left brake pedal to lock the left rear wheel for short turns to left.

(11)

**BOTH WHEELS . . .**  
Press both brake pedals with same foot to stop tractor.

**LOCKED . . .** For belt work and parking, it's easy to lock tractor in position. A kick releases latches instantly.



# JOHN DEERE TRACTORS BRING YOU

# Three-Way Eco

## LOW FIRST COST... LOW OPERATING

**E**CONOMY is an all-important point to consider in buying a new tractor, especially when it comes to John Deere economy. For the John Deere Model "L" or "LH" you get a tractor that's low in first cost, low in repair cost and low in operating cost. It's a tractor that's economical on your pocketbook from every standpoint.

Thousands of events have been witnessed by satisfied owners as the economy of working with one of these mighty John Deere Tractors. For your own firsthand proof of how little it costs to do hard work with a John Deere, some of these advantages are reproduced on the following pages. As you read about repairs, maintenance and other economical quality-built tractors will do as much for you.

*'Did You Say ECONOMY?  
This Baby's Really Got It!'*



*Such a smile could come only from a satisfied customer. The owner of the smile and the Model "L" Tractor is L. V. Bryan, Marysville, California.*

*nomy*

**COST... LOW UPKEEP COST...**



**BURN LESS THAN A GALLON OF FUEL PER HOUR  
ON MOST JOBS—*Read What Owners Say:***

★ **ROME,  
GEORGIA:**

"Last season, with my John Deere Model "L" outfit I turned and prepared, planted and cultivated the following crops: 18 acres of cotton (five cultivations); 25 acres of corn (three cultivations); 7 acres of peas in drill (two cultivations); 3 acres of truck; and 12 acres of hay. In addition to my own work, I turned 60 acres for my neighbors. My cost for gasoline and oil for all of the crops and the custom work was \$53. The amount I earned from the custom work was \$85, a profit of \$32 over the amount spent for fuel. Naturally I am a booster for the John Deere."

... H. E. Miller

★ **BETTENDORF,  
IOWA:**

"Last spring I plowed exactly 5 acres of soybean stubble in one 10-hour day with my John Deere Model "LA" Tractor. During that day I burned 7 gallons of gasoline. Using the John Deere 14-Inch Integral Plow, I ran in second gear at all times. I would like to say that the John Deere is the best investment that could possibly be made by operators of small acreages, truck farmers, or orchardists."

... Frank B. Clemons, Jr.

★ **MANASSAS,  
VIRGINIA:**

"Total time for Model "L" Tractor on all jobs, 595 hours, total fuel consumption, 398 gallons—average per hour .67 gallons. Total cost for gas, oil, and grease for this work, \$64. Tax refund on gas and income from custom work, \$53. Actual operation cost for entire season's work (deducting income from custom work), \$10 plus depreciation."

... W. S. Norman

★ **BARODA,  
MICHIGAN:**

"On about 150 hours of orchard, vineyard, and grain crop work, John Deere Model "LA" Tractor averaged 3/4-gallon of fuel per hour—no oil."

... August Sellert

★ **SHINER,  
TEXAS:**

"My Model "L" burns 6 gallons of gasoline a day, pulling a 12-inch turning plow. The gasoline costs 9 cents a gallon, making a total of 54 cents a day, which is less than half of what it takes to feed 4 mules."

... Jim Kolacny

★ **SALINAS,  
CALIFORNIA:**

"The Model "L" is truly an economical tractor, using about one-half gallon of gas per hour."

... B. E. Lundholm

★ **NEW BRUNSWICK,  
NEW JERSEY:**

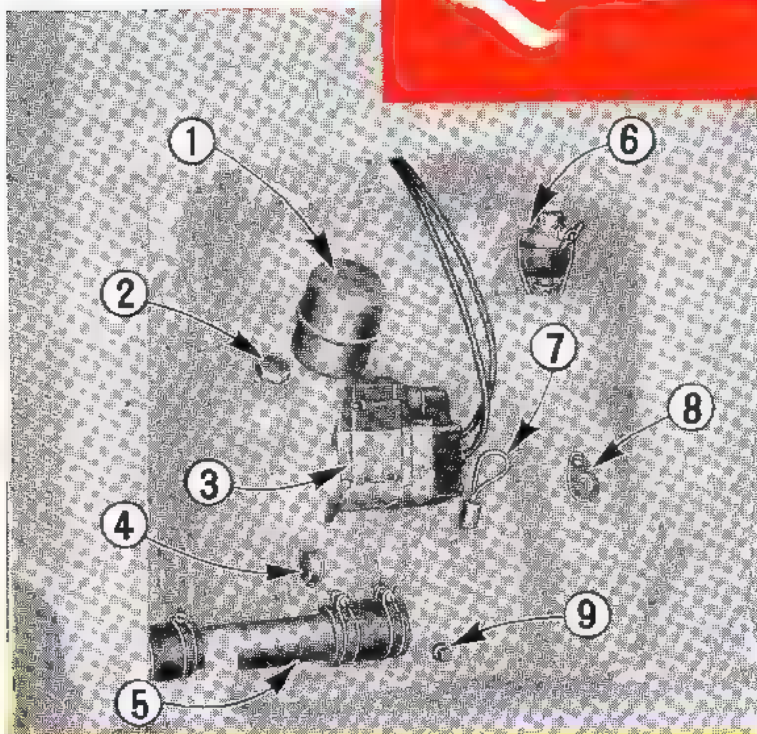
"On heaviest work, in second gear, burns one gallon of gas per hour."

... Joseph Fagyas

# Quality Built

THROUGH

GREATER SIMPLICITY...



## These Engine Safeguards Provide Greater Efficiency, Longer Life

The illustration above shows some of the important safeguards that are built into the engines of the Models "L" and "LA" Tractors:

1. Crankcase breather—keeps crankcase free of injurious gases and vapors.
2. Oil-pressure regulating plug.
3. High-tension magneto with enclosed automatic impulse starter.
4. Oil-pressure gauge.
5. Thermo-siphon cooling—the simplest, most efficient cooling system ever devised for tractors.
6. Fuel filter—admits only clean fuel to carburetor.
7. Oil gauge—pull-out type—shows amount and condition of oil at any time.
8. Timing hole cover.
9. Water drain plug—convenient, easy to get at.

WHEN you have read up to this point, you have a good picture of what the Models "L" and "LA" Tractors will do . . . their wide adaptability . . . their amazing power for their size . . . their money-making economy on all field and belt jobs . . . and their ease of operation. Now —

## WHAT ABOUT CONSTRUCTION?

Both tractors are built of the highest-grade materials. Parts are fewer. Parts are heavier. Entire frame is welded into one rugged unit. The heavy, banjo-type rear axle housing is a part of the one-piece frame. As with other John Deere tractors, you can expect extra years of service.

## TWO-CYLINDER ENGINE—Secret of John Deere Simplicity, Economy, and Dependability

The engine is the heart of the tractor. Hence, you want *efficient* engine performance in the tractor you buy. The John Deere engine has two cylinders, a feature which brings the following advantages:

### 1. GREATER SIMPLICITY:

Two-cylinder engine design is the basis of John Deere tractor simplicity—greatly reducing the number of parts—increasing the strength of parts—reducing upkeep costs—making all parts more accessible—providing better systems of cooling and lubrication. The rugged, one-piece frame provides a strong, durable mounting for all tractor parts.

### 2. EASY TO SERVICE:

Because the John Deere tractor is so simple, it is easy to keep in good running order. There are few adjustments—most of them can be made on the farm by the owner, with ordinary tools.

# THROUGHOUT FOR EXTRA YEARS OF PROFITABLE SERVICE

## GREATER DURABILITY... GREATER DEPENDABILITY

### 3. QUICK, EASY ACCESSIBILITY OF PARTS:

Adjustments are not only easier to make on the John Deere, but parts are easier to get at from a standing position. No wonder John Deere owners can adjust tappets, grind valves, keep their tractors in perfect running order with a minimum of time, labor, and expense.

### 4. LIGHTER WEIGHT:

By doing away with many of the parts required in other tractors, the over-all weight of the John Deere "L" or "LA" is less—one of the big reasons why these tractors give maximum performance at rock-bottom costs for fuel, oil, and maintenance.

### 5. GREATER DURABILITY:

Because of the extreme simplicity of the John Deere engine, fewer working parts are required; thus, each part can be made larger and heavier, permitting greater wearing surface. The Model "L" crankshaft, weighing 23 lbs., (extra heavy for a tractor of this size) is typical of the sturdy construction throughout. Three-point engine support provides flexibility in crossing gullies and rough ground—there is less strain on tractor parts than in other tractors whose engines are rigidly mounted. The life of the tractor is naturally increased, repair costs reduced to a minimum.

#### ENGINE HAS FORCE-FEED LUBRICATING SYSTEM

Efficient engine lubrication is assured always by the use of a force-feed system of lubrication.

The tractor is provided with a handy "pull-out" oil gauge, just like the gauge on your automobile. This handy gauge tells at a glance the amount and condition of the oil in the crankcase at any time. Oil-pressure gauge is in full view of operator at all times.

A crankcase breather maintains a circulation of air through the crankcase, removing gases and vapors, and resulting in a clean crankcase at all times. The oil is kept in better condition because of this breather, and formation of sludge is prevented.

All of the important working parts of the engine are completely enclosed within a dustproof case. A grease gun is furnished with each tractor.

#### SIMPLE THERMO-SIPHON COOLING SYSTEM

The John Deere engine is cooled by the thermo-siphon system. This provides effective temperature control in its simplest form. A water pump, with its large number of parts, is unnecessary.

After the engine is started, the water does not begin to circulate until the engine is hot enough to insure complete fuel combustion. As the engine temperature increases, the water flows through a large pipe to the



Left side view of John Deere Model "LA"



### MUD LUG WHEEL . . .

*For conditions where it is difficult to secure proper traction, special mud lug wheels can be furnished for use with the rubber-tired drive wheels. These simple lugs are particularly effective in muddy conditions.*



### WHEEL WEIGHT . . .

*Wheel weights can be furnished for the Models "L" and "LA" Tractors to provide greater traction if it should ever be considered necessary. Furnished as extra equipment.*

radiator tank, then down through the radiator tubes in which the water is cooled by a strong suction of air through the radiator. The cooled water then re-enters the engine.

Each tractor is regularly equipped with a radiator guard which prevents the radiator fins from becoming damaged.

### LATEST TYPE OIL-WASH AIR CLEANER

Clean air is second only to good lubrication in promoting long life in a tractor. Before any air can reach the carburetor of the John Deere tractor, it must first pass through the air cleaner, where the dust and grit are removed.

This latest-type cleaner does a highly efficient job of cleaning the air before it enters the engine, yet it requires a minimum of attention on the part of the owner.

### EFFICIENT FUEL FILTER

A glass sediment bowl, with filter screen, is attached to the fuel line between the fuel tank and the carburetor, where it removes any sand, grit or water from the fuel before it reaches the engine.

### FULL-CLEARANCE FRONT AXLE

Because the front axle of the John Deere is straight—not arched—you get full clearance, not just in the center, but the full width of the axle. This is an important advantage in wide-growing crops or when cultivating more than one row. The John Deere axle is mounted on Timken tapered-roller bearings.

### ADJUSTABLE SWINGING DRAWBAR—REGULAR EQUIPMENT

The drawbar on the John Deere is adjustable up and down and sideways, so that the drawn implement can be connected for proper line of draft and for most convenient and satisfactory handling. The drawbar is easily removed to provide greater ground clearance, if necessary, when cultivating.

### SENSITIVE GOVERNOR

The governor is a completely enclosed, fly-ball type. It is sensitive, steady in action, and responds to varying loads, controlling the engine speed regardless of throttle setting. The governor is automatically oiled.

### FLANGE-MOUNTED MAGNETO

The flange-mounted magneto is fully enclosed and dustproof, and is quickly accessible. It is oil-tight at the connection and is very easily taken off and put on.

### ROLLER AND BALL BEARINGS

Both tractors are fully equipped with roller and ball bearings, further assurance of light, easy running and long wear. See under "Specifications" for number and type of each.

### SELF-STARTER AND LIGHTING EQUIPMENT AVAILABLE

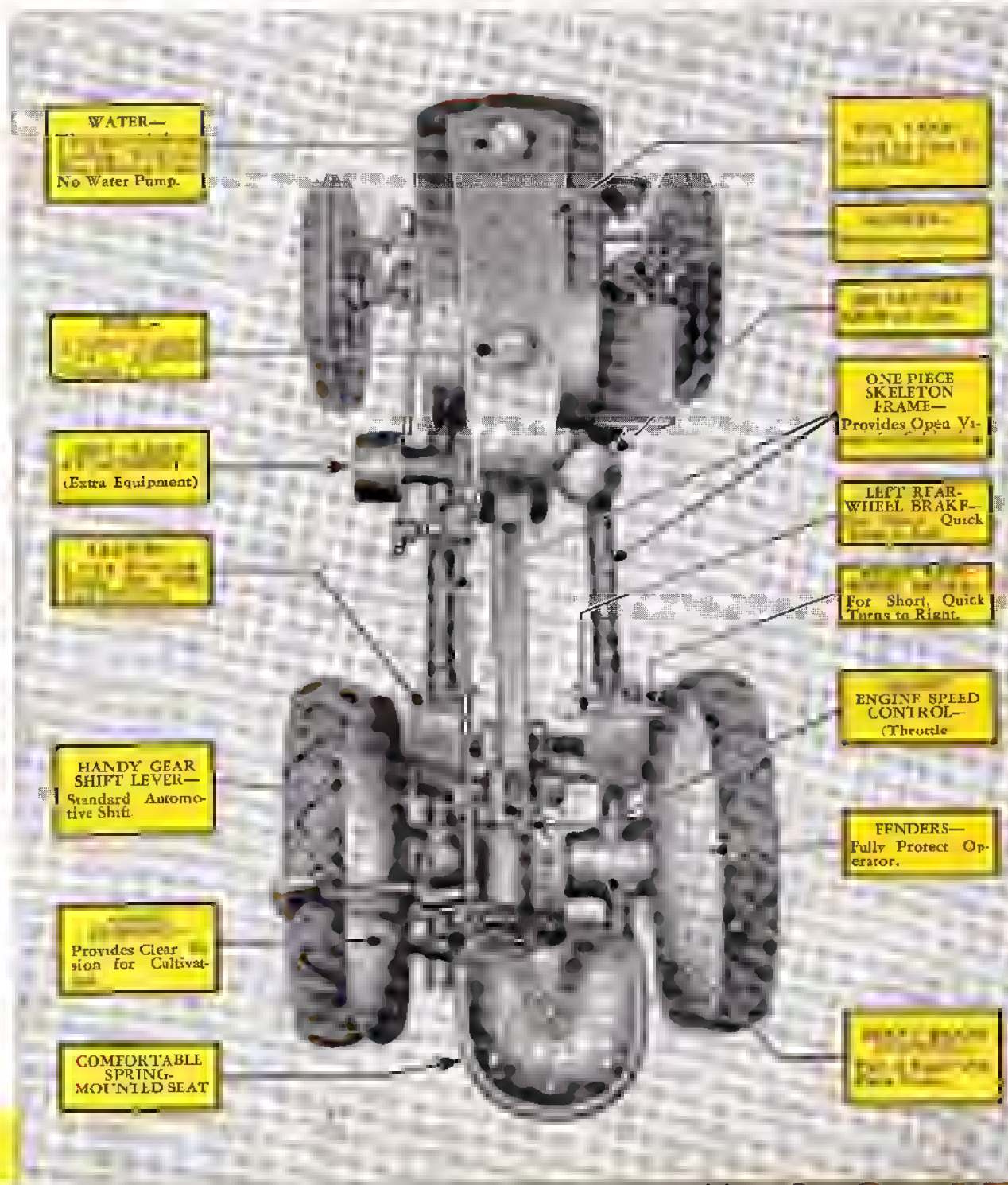
For those who prefer it, the Models "L" and "LA" can be furnished with electric starter and lighting equipment. One forward light and one rear light—both fully adjustable—provide excellent illumination; you can operate the tractor 24 hours a day, if necessary.

The electric starter operates at the touch of a button. Choke and ammeter gauge are conveniently located. Belt-driven generator mounts up forward on the engine alongside the fan. Battery carrier mounts on frame at right of engine.

# Study This Overhead View—

The overhead view of the tractor, shown here very plainly, is another clear vision feature.

Simplicity and easy handling are here in full measure.



# Consider Equipment

WHEN YOU BUY YOUR NEW TRACTOR

Model "L" and "LA" Owners Have Available the Finest  
Most Complete Line of Working Equipment in the Small Tractor





## **INTEGRAL EQUIPMENT** FOR JOHN DEERE MODELS "L" AND "LA" TRACTORS

John Deere LA-2 One-Bottom Plow.  
John Deere L-18 One-Way and Two-Way Plows.  
John Deere L-20 Series One-Row Middlebreaker-Bedder.  
One-Row Planting Attachment for L-20 Series Middlebreaker-Bedder.  
One-Row Fertilizer Attachment for L-20 Series Middlebreaker-Bedder.  
Combination Tilling, Planting, and Fertilizing Outfit.  
John Deere No. 7 Mower.  
John Deere Integral Spring-Tooth Harrow.

John Deere No. 84 Integral Sweep Rake.  
John Deere LA-646 Vegetable Planter.  
John Deere LA-640 Vegetable Cultivator.  
John Deere L-10 Series One-Row Cultivators.  
Planting and Fertilizing Attachments for L 10 Series Cultivators.  
Fertilizer Attachment for all of the above Cultivators.  
John Deere Integral Potato and Celery Hiller.  
John Deere Integral Side-Delivery Rake.

## **SOME OF THE DRAWBAR EQUIPMENT** THAT CAN BE USED WITH MODELS "L" AND "LA" TRACTORS

Moldboard Plows.  
Disk Plows.  
Disk Tillers.  
Disk Harrows, Pulverizers, Packers, Rollers, Mulchers, Rotary Hoes, Etc.  
Spike-Tooth Harrows.  
Spring-Tooth Harrows.  
John Deere Nos. 999 and 290 Two-Row Corn Planters. Also, No. 919 Corn Drill and Nos. 435 and 436 Cotton and Corn Planters.

Transplanters.  
Grain Drills.  
Mowers.  
Side-Delivery Rakes.  
Manure Spreaders.  
Hay Loaders.  
Farm Wagons.  
Potato Planters and Diggers.  
Lime Sowers.

## **BELT-DRIVEN MACHINES** THAT CAN BE OPERATED WITH BELT PULLEY

John Deere No. 4-A Corn Sheller.  
Letz No. 140 Feed Mill; Hopper Mills.  
Grain Elevators.

Handy Farm Cement Mixers.  
Wood Saws.  
Small Hay Presses.

**TRACTOR**  
and  
Field

# JOHN DEERE LA-2 INTEGRAL PLOW

for  
"L" and "LA"  
Tractors

*View at left shows the John Deere LA-2 Integral Plow mounted on the tractor. Simplicity and good work are big features. Note how plow hitches well forward toward front end of tractor. This insures steady running of the plow and easy handling of the tractor. Note handy lifting and leveling levers.*

**W**ITH this simple, compact, tractor-carried plow, you can turn short, plow out more of the ground in each field, and do first-class work at all times. The plow is raised and lowered by a long lever conveniently located near the seat of the tractor; lifting spring aids in raising the plow.

Easy to attach and detach. The hitch is bolted to the tractor frame well forward of the rear wheels to insure steady running of the plow and easy handling of the tractor. Depth may be varied by the lifting lever after gauge wheel has been set for maximum depth desired. A leveling lever, at the hitch point, provides efficient means for leveling the plow accurately at the depth set. Brace rod and gauge wheel insure positive cut and uniform depth.

Furnished with 12-, 14-, or 16-inch general-purpose bottom—John Deere steel, John Deere-Syracuse deep-chilled or combination. Coulter (15-inch) is regular equipment. Independent jointer is available as extra.

## L-18 INTEGRAL TWO-WAY PLOW (Available as One-Way)

Wherever two-way plowing is called for, the L-18 Integral Two-Way Plow fills the bill with complete satisfaction. The outstanding feature of this plow is that both the working depth and leveling of the bottom are controlled by a single lever—the bottom is automatically leveled as the depth is changed. Bottoms are protected against damage by heavy cushion springs and are raised and lowered by handy, spring-balanced levers. Available as right-hand one-way plow, if desired. Furnished with choice of 12- or 14-inch bottoms. Jointer is regular. Coulter extra.

*The big reason why so many Southern farmers have chosen John Deere "L" and "LA" Tractors is because they felt that the John Deere was the tractor that would get their necessary work done, on time, at least cost.*

*Illustration shows "LA" Tractor with Integral Middlebreaker-Planter planting and fertilizing corn in furrows. Taken near Fort Valley, Georgia.*

**A COMPLETE LINE OF COST-REDUCING  
EQUIPMENT TAILOR-MADE FOR THE**

(21)

**"Land O' Cotton"**

# FOR HANDLING ALL IMPORTANT CROPS

**PLANTED ON BEDS, IN**

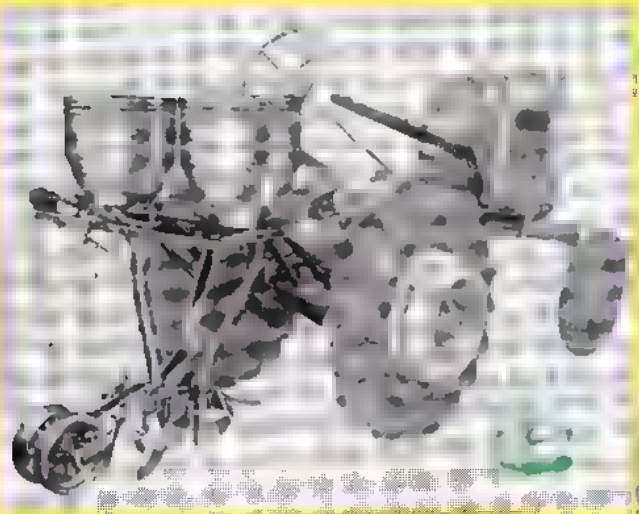
## *John Deere L-20 Series*

**A**ROUND the single-row middlebreaker or bedder, shown at left, John Deere has developed the integral working equipment illustrated on this page and the two following pages, especially to meet requirements of the South and the listed-crop sections of the country.

If you live in these sections, you will want to read all about this equipment. Then arrange to see it at your John Deere dealer's.

This equipment is built to fit either the Model "L" or Model "LA" Tractor. You use the same equipment, with minor changes, to handle several jobs, thereby saving on your investment. From the complete John Deere line, you can choose just the equipment you want to fit your kind of farming. Whichever outfit you choose, you will get the advantages of outstanding John Deere simplicity, strength, economy, and long life.

**ABOVE.** L-20 Series Single-Row Middlebreaker or Bedder. Easy to put on and take off—attaches firmly to main frame of tractor. Lifted and lowered by one master lever. Furnished with 12- or 14-inch bottom. Rolling coulter, gauge wheel, and safety bottom trip are extra equipment.



**One-Row Sweep-Type Planter with fertilizer attachment, designed for sweeping off tops of beds planting, and fertilizing. Fertilizer and seed hoppers are driven from the same mechanism.** (22)

**BELOW.** One-Row Corn Lister. Shown with disk coverers. Furnished with 12- or 14-inch middlebreaker bottom.

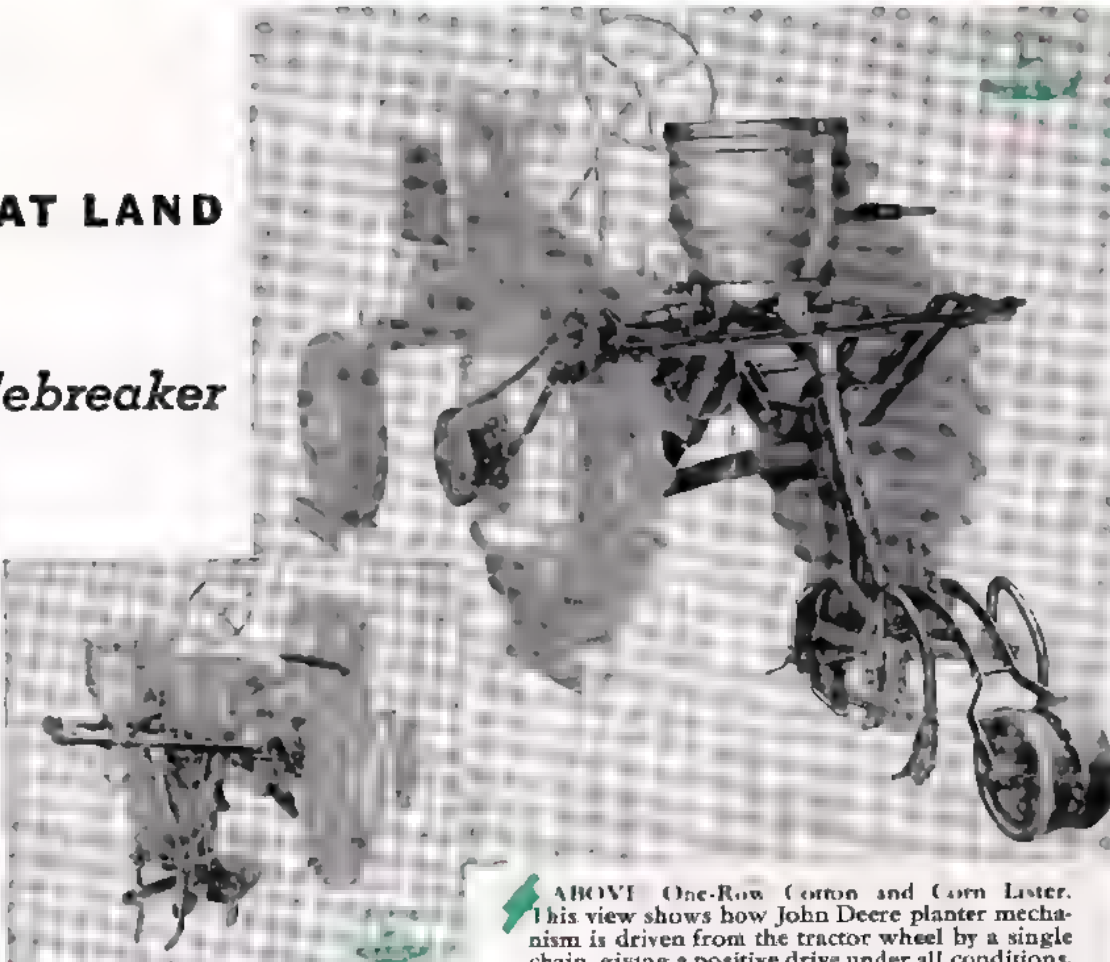


**BELOW.** One-Row Cotton and Corn Lister. Special furrow opener for planting in furrow. Knife coverers. Press wheel.



**FURROWS, ON FLAT LAND**

*Bedder and Middlebreaker*



One-Row Shoe-Type Planter. This planter does an excellent job of planting on loose or sandy beds, or on flat land. The gauge shoe accurately regulates planting depth, breaks up clods and packs the soil, making an excellent seedbed. Shown with knife coverers.

ABOVE: One-Row Cotton and Corn Planter. This view shows how John Deere planter mechanism is driven from the tractor wheel by a single chain, giving a positive drive under all conditions. Shown with special high-clearance John Deere shovel coverers and press wheel.

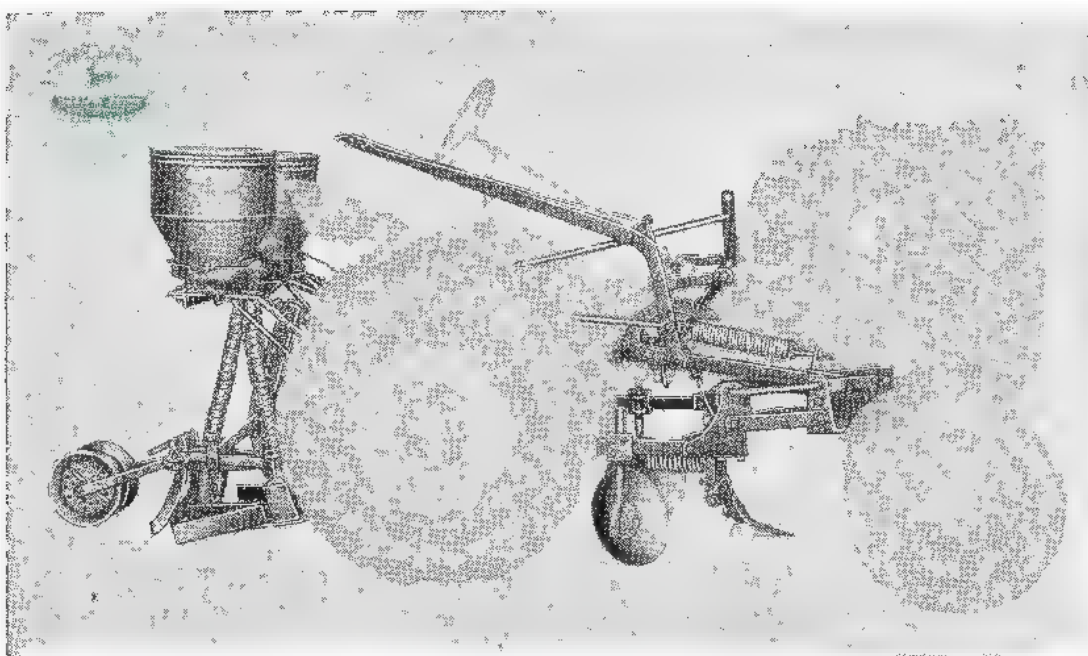
**One-Row Planting and Fertilizing Attachments for John Deere "L" and "LA" Tractor Cultivators**

EFFICIENT one-row planting and fertilizing attachments are available for use with L-10 Series Cultivators for the Models "L" and "LA" Tractors. The planting attachment (PL-10 Series) is of the sweep type and is available with knife coverers, shovel coverers, or disk coverers. Plates are available for all Southern crops. Attachments for planting shelled or unshelled peanuts available.

The fertilizer attachment (FL-10 Series) can be used in conjunction with the PL-10 Series planting attachment, making a simple, practical, easy-to-watch combination outfit, or it can be used to side-dress one side of the row after the crop has been planted.

PL-10 Series Planting Attachment and FL-10 Series Fertilizing Attachment mounted on L-10 Series Integral One-Row Cultivator.





**LEFT:** Showing how the Models "L" and "LA" Tractors can be equipped for throwing up beds, planting, and fertilizing in one operation. Note cultivator sweep in front with disk billers set for in throw directly behind. The sweep breaks the crust, kills weed growth; the disk billers throw up the beds and are followed by the planting and fertilizing units. The gauge shoe at rear accurately regulates planting depth, breaks up clods, firms and levels the seed bed. For planting in furrows, tractor is equipped with middle-breaker, planter, and fertilizing attachment.

# FIT YOUR LAND, PLANT, FERTILIZE

## Once Over

**THIS COMBINATION OUTFIT  
BEDS or FURROWS, PLANTS  
and FERTILIZES in ONE  
TIME-SAVING OPERATION**

**H**ERE is the outfit that is making a big "hit" with growers in the Southern and Southeastern sections of the country—an outfit that makes it possible for small-acreage growers to follow a new method of farming that's faster, easier, better, and more profitable.

It's a practical, time-proved method—simply equip your tractor with one of the planter and fertilizer attachments shown on the previous pages, and the front section of the John Deere L-12 Cultivator, shown on page 28, equipped with disk billers.

Once you have broken your land, you can throw up beds or make furrows, plant, and fertilize, *all in one operation* and at a capacity of from 10 to 15 acres a day. At the same time the seed goes into the ground, the fertilizer attachment places the fertilizer in one band at the side of and below the seed—the method recommended for cotton by leading authorities. When your crop comes up, take off the planter, substitute cultivator sweeps or shovels, and you are ready to cultivate at big capacity.

Think of the savings you will make in time, labor, and money when you farm this fast, easy, low-cost John Deere way. *One man does 5 times as much work per day as 4 men working with mules.* In addition, you'll do better work because this John Deere equipment has been built from the ground up to fit *your special needs.*


This equipment can also be used for planting on flat land, on the top of beds previously made, or as a middlebreaker only by removing planting and fertilizing attachments, as shown on previous pages.

# JOHN DEERE 12-TOOTH *Integral* *Spring-Tooth* HARROW

for "L" and "LA" Tractors

**I**f a drawn-type spring-tooth harrow will do and will give you an even more complete job because you can back it into corners of the field. Easy to attach—all you do is back the tractor over the draw angles and insert two steel pins. The pivotal action of the tooth bars actually *drives* the teeth into the ground to assure deep, thorough pulverization. The teeth are the famous Syracuse "*special-process*" teeth, made of carefully-selected, high-carbon, high-quality spring steel. Hard, tough, and strong, they will stand the strains and shocks of hard work behind the steady pull of the tractor. They can be easily adjusted for the work to be done. By removing the center teeth, the harrow is converted into a handy cultivator.

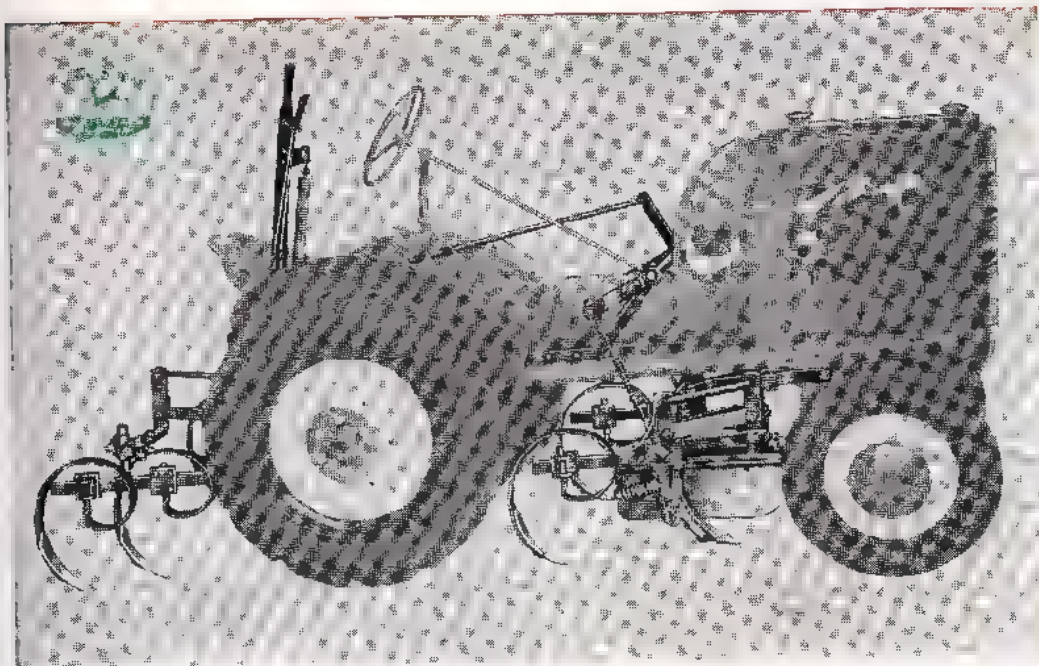




Cultivating cotton on the Lloyd Counce plantation near Stateline, Kentucky. The outfit is the John Deere Model "LA" tractor with Integral One-Row 8-Shovel Cultivator. In cotton this size, traveling at 3-3 1/4 miles per hour, one man can cultivate up to 13 acres in a 10-hour day. By means of the convenient hand lever all rigs are raised and lowered at the row ends without stopping. Notice the clearance of this outfit.

*Sidestep* **THOSE LONG DAYS OF TEDIOUS  
CULTIVATING WITH HORSES OR MULES**

# JOHN DEERE ONE-ROW CULTIVATORS



**LEFT:** Side view of John Deere L-14 integral One-Row 8 Shovel Cultivator mounted on John Deere Model "L" Tractor. Note lever at right of steering wheel which raises or lowers all rigs with one motion.

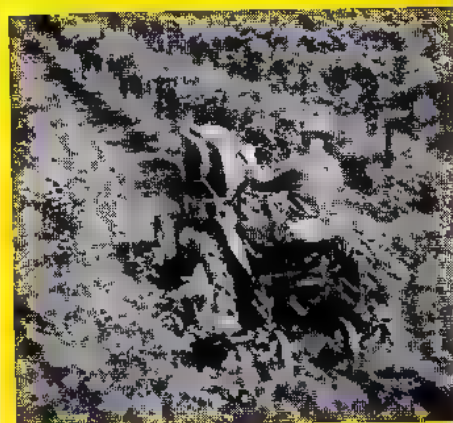
## SIMPLE . . . EASY TO HANDLE . . . EASY TO ATTACH TO TRACTOR AND REMOVE

**T**HE John Deere One-Row Cultivators will handle your cultivating jobs in rows varying from 30 inches to 42 inches. What's more important, you can change the row spacing quickly and easily—a real advantage when you have a variety of crops planted in rows of different widths.

Like all integral equipment for the Models "L" and "LA" Tractors, these cultivators are easy to attach and easy to detach and form a compact unit with the tractor. You can use the tractor for cultivating and have it available for other jobs in a very few minutes. In addition, the tractor is always ready for belt jobs, as the cultivator does not interfere with the pulley.

In field operation, you raise and lower the cultivator and vary the depth of

*(Continued on Page 28)*



**Model "L" cultivating berries on farm of A. J. Ault, Sandy, Ore.** Berry growers, orchardists, and grape growers find this equipment perfectly suited to their requirements.



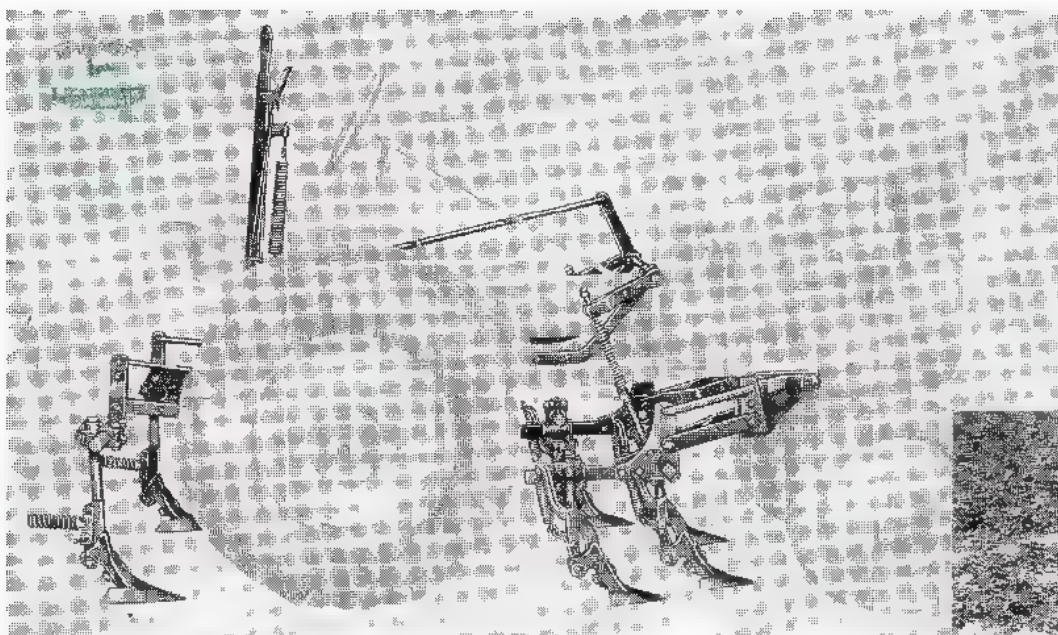
**Cultivating soybeans with L-14 Cultivator on the farm of Harry W. Fuller, Lowell, Ind.**

**Cultivating hops with L-14 Cultivator on H. L. Scott farm, Prosser, Washington.**



**RIGHT: L-14 Cultivator in corn. Spring teeth in rear cultivate out wheel tracks.**





**ABOVE:** The John Deere L-12 One-Row Six-Shovel Integral Cultivator, especially designed for the South. It has four spring-trip shanks with shovels in the front and two spring-trip shanks with sweeps in the rear. Cultivator is raised and lowered, and depth regulated by one convenient lever.

*Continued from Page 27)*

cultivation by means of the long, conveniently-placed lever. The open construction of the tractor frame and the offset steering provide a clear, effortless view of the work at all times. Quick, easy dodge is gained through the steering mechanism of the tractor—even the slightest movement of the wheel is transferred to the rigs in the ground to give you accurate control at all times—and the convenient foot brakes which control each rear wheel independently on short turns.

All John Deere One-Row Cultivators, except the L-12, are regularly furnished with 8 shovels. The L-12 has 6 spring-trip shanks. The L-14 has 6 spring teeth and 2 spring-trip shanks. The L-16 has 8 spring-trip shanks. The L-18 has 8 spring teeth.

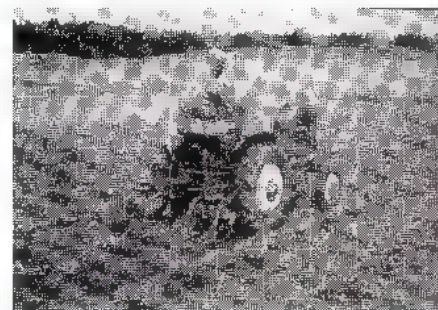


**Above:** Cultivating cabbages on an Eastern truck farm.



**So simple a 12-year-old girl operates it with ease. Model "LA" Tractor cultivating sweet potatoes on the farm of Edgar White, Salisbury, Maryland.**

**Right:** Cultivating strawberries on an Oregon farm.



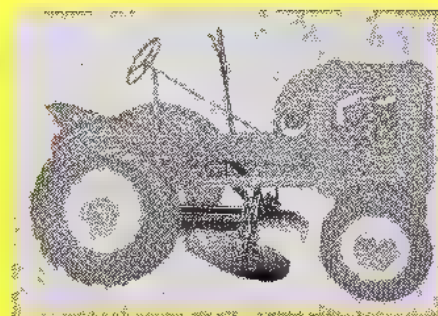
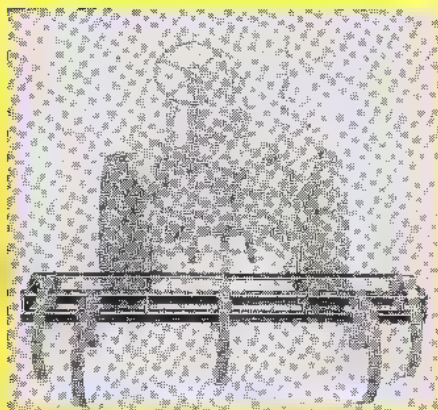
## SPECIAL CULTIVATING AND HILLING EQUIPMENT

### POTATO HOE AND CELERY HILLER

*This easily-attached unit does an excellent job of hilling potatoes, hilling celery for cultivating and bleaching, and making beds for transplanting. Mounts between front and rear wheels—easy to watch the work*

### WIDE REAR TOOL BAR FOR CULTIVATING BETWEEN ROWS OF BERRIES, MELONS, ASPARAGUS

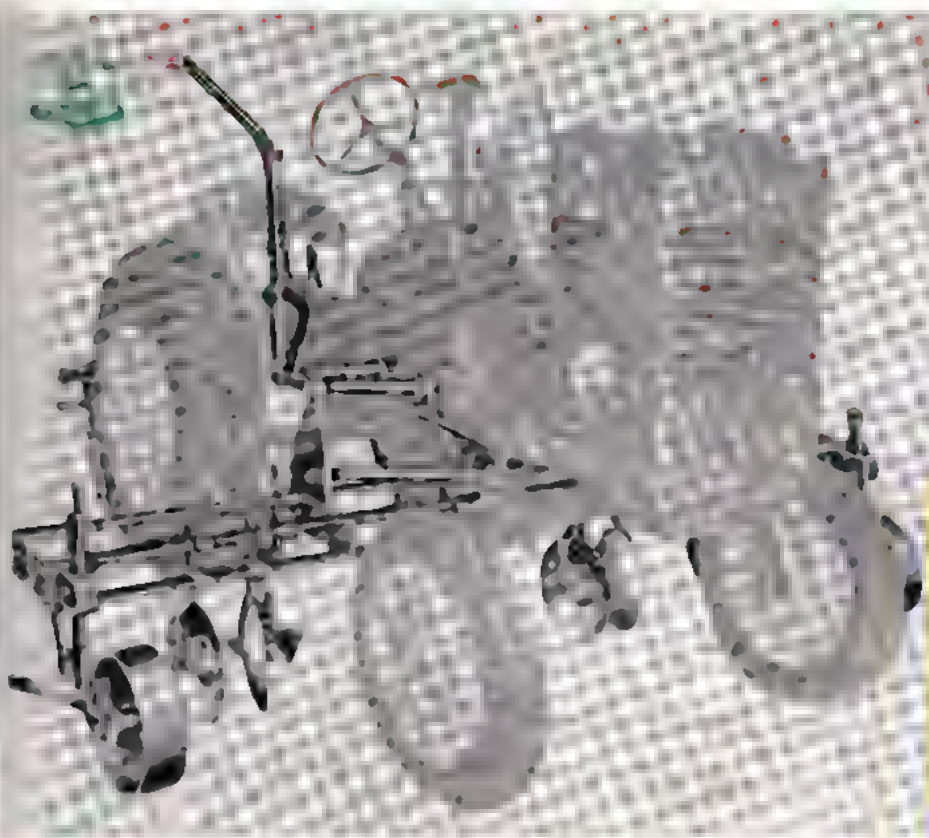
*Strong, double tool bars form a simple, rigid support for any arrangement of tools. Tool bar is 67-1/2 inches long.*



# LA-640 Variable-Row CULTIVATOR and LA-646

## PLANTER

### FOR VEGETABLES



LEFT: LA-640 Cultivator set for cultivating four 20-inch rows. With this simple cultivator, you can cultivate crops planted in following row spacings: single-row, 30- to 60-inch inclusive; two-row, 16- to 24-inch inclusive; three-row, 14-inch; four-row, 16- to 20-inch inclusive; five-row, 14-inch. Rows spaced 22- to 24-inch inclusive may be planted four rows at a time and cultivated two rows at a time. Uneven row spacings may be used also. For example, five rows spaced 16"-10"-10"-16"-10" give an average row spacing of only 12.4 inches, yet provide a 16-inch space for the tractor wheels.

**C**ULTIVATING is probably the biggest single operation on the truck farm. A Model "L" or "LA" Tractor and John Deere LA-640 Integral Cultivator will handle this important job speedily, efficiently, and at new low cost.

The cultivator is very simple, easily attached and removed. It is located well forward for a good view of the work and forms a rigid, compact unit with the tractor. Cultivating tools are near axis of front wheels, providing quick, accurate dodge.

The tool bars are the famous John Deere *double tool bars* which provide a strong, rigid frame construction and permit a wide variety of row settings. Tool bars remain parallel to the ground at any working depth or when lifted.

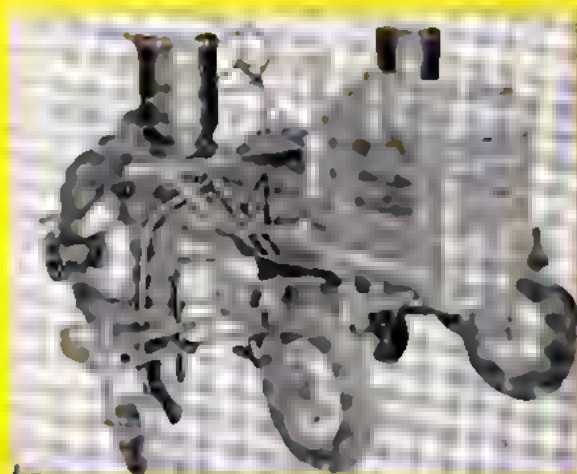
The lift for this cultivator is also used to lift the John Deere L-646 Vegetable Planter. The planter, with its adjustable Planet Jr. units, plants any number of rows from 1 to 5 in any required row spacing. Handles all types of vegetable seed. Spring pressure insures uniform depth.

### FERTILIZER ATTACHMENT

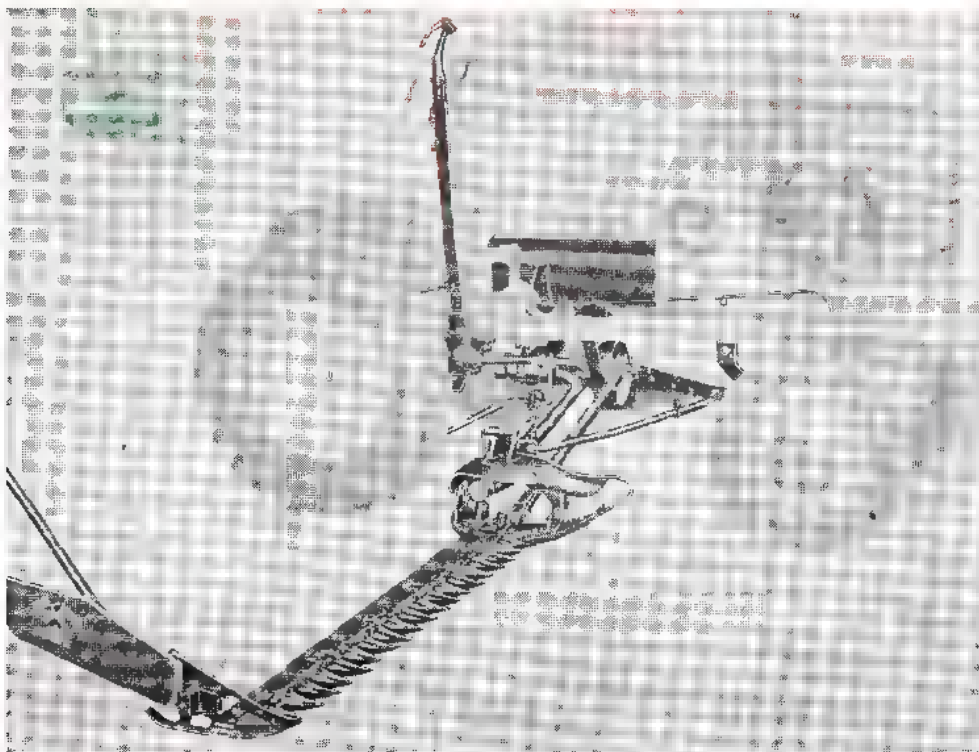
The John Deere No. 2 Fertilizer Attachment is built for use with the LA-640 Cultivator. Consists of frame, two hoppers, four flexible spouts, both single and double spout tops, and means for attaching spouts to cultivator tool. Special equipment available for side-dressing, deep placement, and shallow placement.



RIGHT: The L-646 Planter set for planting four rows. Planter attached to tractor and all seeding units are controlled from tractor seat by convenient lever. Flow of seed stops automatically when planter is raised. Control rope for markers is within easy reach of operator.



# JOHN DEERE No. 7 INTEGRAL MOWER



**BUILT TO WORK WITH  
MODELS "L" AND  
"LA" TRACTORS . . .**



*LEFT: The kind of mowing outfit you have always wanted—John Deere Model "L" Tractor with John Deere No. 7 Integral Mower. Here is a tractor-driven mower that mounts **BETWEEN THE FRONT AND REAR WHEELS OF THE TRACTOR**—no turning around to watch the work; cutting operation is in full view at all times. Mower attaches to frame of tractor—tractor frame acts as frame of mower. Note handy pistol-grip lift lever.*

**W**ITH this handy tractor mowing outfit you can get your hay down in a hurry at mighty low cost. On the jobs that follow, such as raking, loading, sweep raking, or baling, the tractor "follows through"—handling them all at equally low cost.

You are sure to like this mower the minute you lay eyes on it. But when you get up on the tractor seat and *operate* it, you will be amazed that a mowing outfit could be so compact and simple, and so easy to handle. It's just the outfit for general-purpose cutting in the hayfield, along highways and roadsides, in orchards and groves—wherever the tractor is used. There's a high, easy lift with the handy pistol-grip lifting lever.

Most amazing feature of this new mower is its ingenious safety device, illustrated below. The pictures will give you a good idea of how this device works, but it is necessary to *see* it work to appreciate its remarkable efficiency.

All cutting parts are accurately fitted and carefully aligned to insure good work. Simple adjustments for keeping the pitman and knife in line and for re-registering the knife insure new mower performance down through the years.

The No. 7 Mower is regularly furnished with 5-foot cutter bar. Extra equipment includes steel rock guard cutter bar, special, long-lived subsoles for inner and outer shoes, and high-cutting attachment.

## THE SENSATIONAL JOHN DEERE "Swing Back" SAFETY FEATURE



1. Cutter bar strikes obstruction.



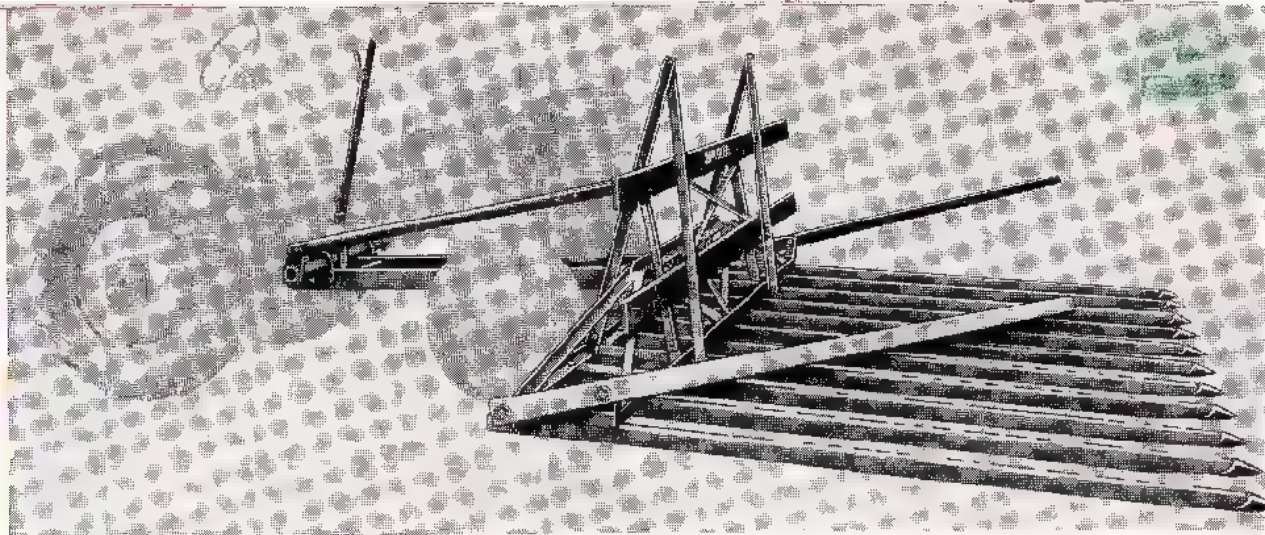
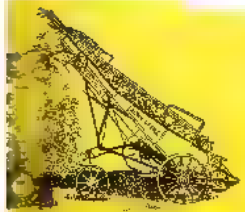
2. Safety release permits cutter bar to swing back automatically stopping sickle.



3. To resume work, operator merely backs tractor over mower shoe.



4. . . . relocking the cutter bar into working position without leaving the tractor seat.



# JOHN DEERE No. 84 SWEEP RAKE

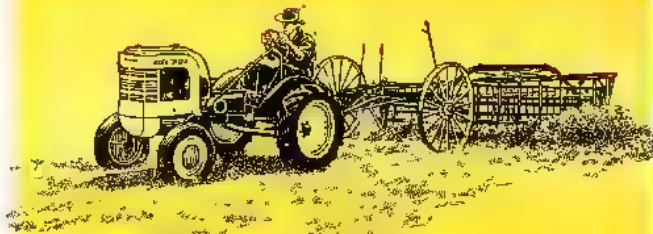
**T**HE John Deere No. 84 Sweep Rake is built especially for the John Deere Models "L" and "LA" Tractors—built to give outstanding, dependable service in year-after-year work.

When attached to the tractor, the rake and tractor make up a fast, easily-handled unit which will handle your hay at low cost and with reduced work. Ease of attaching and detaching is a feature of the No. 84 that will appeal to you when you want your tractor available for other rush jobs during the haying season.

The head is 10 feet wide, and the eleven raking teeth extend 70-1/2 inches in front of the head slat frame—a size which gives good capacity, yet permits driving the rake through almost any gateway. All teeth are of long-leaf yellow pine, are oil-treated and, with the exception of the side teeth, are equipped with metal points.

Compression springs, mounted in the forward end of the pull bars, hold the ends of the teeth down in working position and absorb the shocks of up-and-down vibration of head and teeth.

This construction provides a high degree of flexibility, enabling you to rake clean with no undue strain on the rake itself.



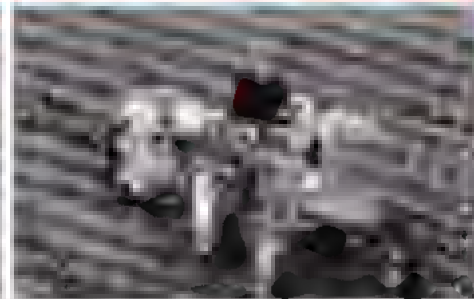
*Building a big load with the Model "L" Tractor and No. 84 Integral Sweep Rake. In rough, uneven fields, this outfit does a clean job, crossing ordinary ditches with ease, because the teeth are free to follow the uneven surface.*

# There's No End to the Uses for a Model

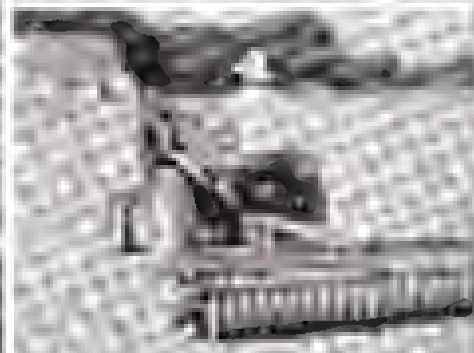
HANDLE ALL THESE DRAWBAR JOBS

FASTER, EASIER and at *Now* LOW

*Disking is a big job these tractors clean up at low cost. The Model "LA" is shown at right with its teammate, a John Deere "JB" 5-Foot Tandem Disk. The Model "L" has ample power for a 6-foot single-action disk barrow.*



*Right: No horses needed for check-planting corn—a special tractor hitch adapts the John Deere No. 999 Check-Row Planter perfectly for use with the Model "L" or "LA". With the rear wheels set in the 54-inch tread, the planter openers do not run in tracks made by tractor; planting is done in loose ground.*



*Left: If your job calls for a field cultivator, the John Deere-Van Brunt "CC" is available in a correct size for both the "L" and "LA" Tractors.*

*Right: Yes, John Deere makes the latest-type disk tillers in sizes to fit these tractors, too. "LA" is shown with 3-disk disk tiller turning under cornstalks near Fort Valley, Georgia.*



*Right: You can do a perfect job of seeding with a Model "L" or "LA" Tractor and John Deere-Van Brunt 5-Foot Grain Drill.*

# "L" or "LA"

## COSTS

Put the Model "L" or "LA" in low speed and you have just the right speed for a careful job of transplanting. Scene at left shows the "LA" and transplanter at work on the Ed DeVries farm, near De Motte, Indiana.

A wide variety of rollers, packers, and pulverizers may be used with these sturdy, steady-pulling tractors. At left, the Model "L" is shown completing a seedbed with an 8-foot Brillion Pulverizer. The tractor is traveling in high gear, better than 6 miles per hour.

Left: A fast, low-cost job of dragging with a 2-section, 10-foot, spike-tooth harrow. Only 5 or 6 gallons of fuel are used in a full day's work on jobs like this.

Right: If you prefer to use a drawn-type plow, the John Deere No. 51 One-Bottom Tractor Plow makes an ideal teammate for the Model "L" or "LA" Tractor. Good work is easy with this strong, efficient plowing outfit. You can use a John Deere steel bottom or John Deere-Syracuse deep-chilled bottom—there's the right type to meet your soil conditions.

John Deere disk plows are available in just the right sizes to match the power of the "L" and "LA".

Small-acreage potato growers find these smaller-size John Deere tractors just what they have been needing. Model "L" is shown above pulling 5-1/2-foot John Deere Digger on Leo Krenzer farm, Webster, N. Y.

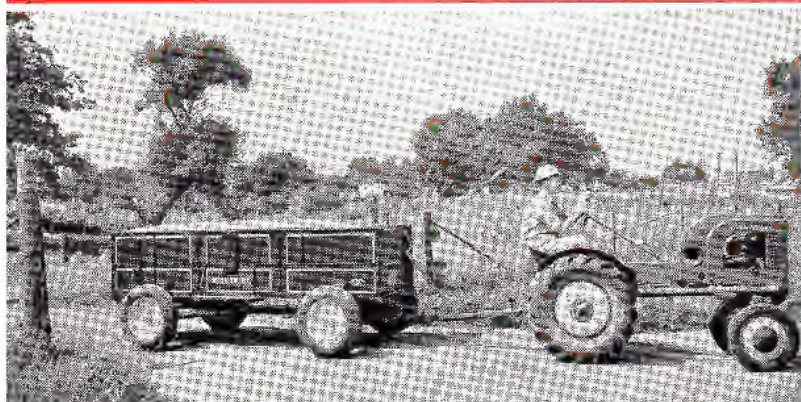
On jobs like rotary hoeing, a Model "L" or "LA" tractor will get you over a lot of ground in a day and do a better job than slow-moving horses.

Horse tools can be used, but the tractors will do better work with tools especially designed for them. The John Deere 6-Foot Single-Action Disk Harrow, shown above, is built especially to work with the John Deere Model "L" Tractor.

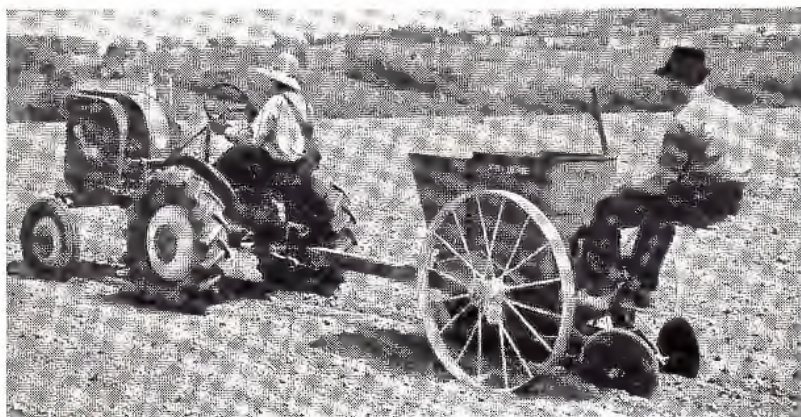
JOHN DEERE TRACTORS

# "Earn Their Keep"

THE YEAR AROUND



Above: Three forward speeds, from 2 to 6-1/2 miles per hour, provide a wide range of speeds for all hauling jobs. This scene shows the Model "L" Tractor and the John Deere Rubber-Tired Farm Wagon. This entire outfit can easily make a complete turn on a 20-foot pavement.



The Model "L" will pull the new John Deere One-Row Potato Planter with ease. Matched equipment is also available for cultivating, hilling, and digging the potato crop. Below: Hauling manure with the sturdy, new John Deere Model "H" Spreader.



With their narrow, compact design, light weight, and short turning, the Models "L" and "LA" are perfectly suited to work between grape rows, (as shown at right), berry rows, asparagus rows, and similar crops. The harrow is a John Deere-Syracuse 15-Tooth Float Harrow.



This Eastern fruit grower is using his Model "LA" to pull the sprayer.



And this Middlewestern grape grower uses the "LA" to pull a grape and berry hoe, further proof that "there's no end to the uses for these versatile tractors."

# THERE'S A JOHN DEERE DEALER NEAR YOU—

HE WILL BE GLAD TO GIVE  
YOU FURTHER INFORMATION



FRIENDLY SERVICE

**Y**OU have read all about the John Deere Models "L" and "LA" Tractors and what these thrifty, general-purpose power units are doing for others. But there's only one way to find out what they can do for *you*, and that's to operate one of them in your fields.

So, make it a point to see your nearest John Deere dealer and arrange for a demonstration. Make comparisons with your horse costs, costs for feed, harness, veterinary services, etc., and be sure to consider the extra hours the faster-working John Deere will make available to you—time that the horse farmer must spend in caring for his team before and after each day's work.

If you are now farming with a team, you will probably decide to join the thousands of others and get the many advantages that these low-priced, quality-built tractors will give you—the advantages of farming without animal power . . . of doing your work at unbelievably low cost . . . of doing better work in less time . . . doing it when it should be done.

A John Deere Model "L" or "LA" will give you all of these advantages and make your work easier and more profitable through the years.

LOW PURCHASE PRICE  
LOW OPERATING COSTS  
LOW UPKEEP COSTS  
BETTER TRACTORS  
BETTER EQUIPMENT

*Go After*  
THOSE EXTRA DOLLARS OF INCOME THIS YEAR

TRADE YOUR HORSES OR MULES FOR  
INCOME-PRODUCING LIVESTOCK

## MODELS "L" AND "LA" TRACTOR

# Specifications

(SUBJECT TO CHANGE WITHOUT NOTICE)

### MODEL "L"

**CAPACITY**—One 12-inch bottom plow or 6-foot single-action disk harrow.

**SPEEDS**—First, 2 miles per hour; Second, 3-1/2 miles per hour; Third, 6-1/2 miles per hour; Reverse, 2-1/2 miles per hour.

**BELT PULLEY**—Extra equipment. 6-3/4-inch diameter with 6-inch face. Speed, 1,480 revolutions per minute.

**BELT SPEED**—2,615 feet per minute.

**ENGINE**—John Deere 2-cylinder, vertical.

Rated speed, 1,550 revolutions per minute controlled by variable speed governor.

Bore, 3-1/4 inches.

Stroke, 4 inches.

Ignition, high-tension magento with enclosed automatic impulse starter.

Carburetor, fixed load jet with adjustable idle jet.

Air cleaner, heavy-duty center tube type with stack.

Lubrication, force-feed pressure system.

Oil capacity—2-1/2 quarts.

Cooling, thermo-siphon.

Water capacity—2-1/2 gallons.

Fuel Tank Capacity—6 gallons. (Fuel, regular gasoline.)

**CLUTCH**—Single dry plate, automotive-type, foot-operated.

**TRANSMISSION**—Selective-type spur gears, alloy steel, forged, cut, and heat-treated.

**FINAL DRIVE**—Enclosed gear-driven, running in oil. Gears are alloy steel, forged, cut, and heat-treated.

**WHEEL TREADS**—Rear wheels adjustable, 36, 42, 48, and 54 inches, center to center of wheels. Regular front wheel tread is 40 inches; for 38-, 40-, 43-, 48-, and 52-inch front wheel treads adjustable front axle is available.

**CROP CLEARANCE**—17-1/2 inches with regular tires; 21-1/2 inches with oversize tires.

**TURNING RADIUS**—7 feet.

**DRAWBAR**—Swing type. Vertical adjustments, 12, 14, and 16 inches above ground. Horizontal adjustment, 18-1/2 inches.

**DIMENSIONS**—Wheelbase, 61 inches. Over-all width, 49 inches. Over-all length, 91 inches. Over-all height, 57 inches.

**BEARINGS**—22 Timken tapered-roller bearings. 5 ball bearings. Alemite grease-gun lubrication.

**WHEELS**—Disk-type with low-pressure rubber tires all around. Front tires, 4.00 x 15. Rear tires 6.00 x 22. 5.00 x 15 front and 7.50 x 22 rear tires also available.

**SHIPPING WEIGHT**—1,550 pounds.

### MODEL "LA"

**CAPACITY**—One 16-inch bottom plow or 5-foot double-action disk harrow.

**SPEEDS**—First, 2-1/2 miles per hour; Second, 3-3/4 miles per hour; Third, 8 miles per hour; Reverse, 2-1/2 miles per hour.

**BELT PULLEY**—Extra equipment. 6-3/4-inch diameter with 6-inch face. Speed, 1,770 revolutions per minute.

**BELT SPEED**—3115 feet per minute.

**ENGINE**—John Deere 2-cylinder, vertical.

Rated speed, 1,850 revolutions per minute controlled by variable speed governor.

Bore, 3-1/2 inches.

Stroke, 4 inches.

Ignition, high-tension magneto with enclosed automatic impulse starter.

Carburetor, fixed load jet with adjustable idle jet.

Air cleaner, heavy-duty center tube type with stack.

Lubrication, force-feed pressure system.

Oil capacity—3 quarts.

Cooling, thermo-siphon.

Water capacity—2-1/2 gallons.

Fuel Tank Capacity—8 gallons. (Fuel, regular gasoline.)

**CLUTCH**—Single dry plate, automotive-type, foot-operated.

**TRANSMISSION**—Selective-type spur gears, alloy steel, forged, cut, and heat-treated.

**FINAL DRIVE**—Enclosed gear-driven, running in oil. Gears are alloy steel, forged, cut, and heat-treated.

**WHEEL TREADS**—Rear wheels adjustable, 38, 43, 48, and 54 inches, center to center. Regular front wheel tread is 40 inches; for 38-, 40-, 43-, 48-, and 52-inch front wheel treads adjustable front axle is available.

**CROP CLEARANCE**—20-1/2 inches with regular tires; 21-1/2 inches with oversize tires.

**TURNING RADIUS**—7 feet.

**DRAWBAR**—Swing type. Vertical adjustments, 12, 14, and 16 inches above ground. Horizontal adjustment, 18-1/2 inches.

**DIMENSIONS**—Wheelbase, 61 inches. Over-all width, 47 inches. Over-all length, 93 inches. Over-all height, 60 inches.

**BEARINGS**—22 Timken tapered-roller bearings. 5 ball bearings. Alemite grease-gun lubrication.

**WHEELS**—Front wheels one-piece cast type with 4.00 x 15 or 5.00 x 15 tires. Rear wheels cast with rims attached by means of lugs, 8-24 or 9-24.

**SHIPPING WEIGHT**—2,200 pounds.